

**ABSTRACT OF THE DISCLOSURE**

A waveform equalization apparatus is provided with plural TF (transversal filter) units and plural selectors, and the TF units are connected such that the construction of the whole filter becomes a real component filter when an input signal is a VSB signal while it becomes a complex filter when the input signal is a QAM signal, by switching the inputs of each selector. The waveform equalization apparatus so constructed can waveform-equalize both the VSB signal and the QAM signal, and the circuit scale of the apparatus is reduced.